

CLAIMS

1. An outer rotor type multi-pole generator stator in which a plurality of coils (28U, 28V, 28W, 29, 30) are wound via a bobbin (24, 24') around a large number of projecting poles (23) provided on the outer periphery of a stator core (22), and a plurality of connecting terminals (32, 34, 36, 39) made of a conductive metal are fitted into and fixed to a plurality of fitting holes (31) provided in the bobbin (24, 24') inwardly of the coils (28U, 28V, 28W, 29, 30) with respect to the radial direction of the stator core (22), each connecting terminal (32, 34, 36, 39) having one end thereof connected to an external conductor (46) and having the other end thereof connected by fusing to a lead wire (33, 35, 37, 38, 40, 41) extending from the coil (28U, 28V, 28W, 29, 30), characterized in that each of the connecting terminals (32, 34, 36, 39) is formed from an external conductor connection terminal portion (32a, 34a) that is fitted into and fixed to the fitting hole (31) so that one end thereof connected to the external conductor (46) projects from the fitting hole (31), a flat connecting plate portion (32b, 34b) having one end thereof connected at right angles to the other end of the external conductor connection terminal portion (32a, 34a) and extending toward the radially inner side of the stator (8), and a clamping plate portion (32c, 34c) provided so as to be connected to the connecting plate portion (32b, 34b) so that the lead wire (33, 35, 37, 38, 40, 41) can be held between the clamping plate portion (32c, 34c) and the other end portion of the connecting plate portion (32b, 34b) and connected by fusing, and the bobbin (24, 24') is provided with a channel (43) or a through hole (48) having one end thereof facing said other end of the connecting plate portion (32b, 34b) and opposite ends thereof open so that one electrode of a

pair of electrodes (44, 45; 44', 45') for connecting by fusing can be inserted through the channel (43) or through hole (48).

2. The outer rotor type multi-pole generator stator according to Claim 1, wherein the connecting plate portion (32b) is formed in a trapezoidal shape whose width decreases in going toward the radially inner side of the stator (8).

3. An assembly method for the outer rotor type multi-pole generator stator according to Claim 1 or Claim 2 wherein, when carrying out assembly of the connecting terminals (32, 34, 36, 39) to the bobbin (24) and connecting the lead wire (33, 35, 37, 38, 40, 41) by fusing to the connecting terminal (32, 34, 36, 39), the method comprises, in sequence, a step of fixing each of the connecting terminals (32, 34, 36, 39) to the bobbin (24, 24') by fitting the external conductor connection terminal portion (32a, 34a) into the fitting hole (31) until the connecting plate portion (32b, 34b) abuts against the bobbin (24, 24'), a step of catching the lead wire (33, 35, 37, 38, 40, 41) with the clamping plate portion (32c, 34c) so as to be held between the connecting plate portion (32b, 34b) and the clamping plate portion (32c, 34c), a step of carrying out connecting by fusing while clamping the connecting plate portion (32b, 34b) and the clamping plate portion (32c, 34c) under pressure by means of a pair of electrodes (44, 45; 44', 45') so that one of the electrodes (45, 45') is inserted into the channel (43) or the through hole (48), and a step of cutting off an unwanted portion of the lead wire (33, 35, 37, 38, 40, 41) projecting from the connecting terminal (32, 34, 36, 39).